Material Safety Data Sheet

Catalog No :	Product Name
A80050	Angiogenin/ANG/RNASE5, Human Recombinant

Identification of Substance:

Application of the substance/the preparation: For Research Use Only.
It is not intended for food, drug, household, agricultural or cosmetic use.

Unit Size: order demand

Components: Microplate,
reagents contain Proclin 300,Sodium azide,Tetramethylbenzidine

Hazard Identification:

Classification of the substance or mixture: This substance does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC, 1272/2008 [CLP], GHS or 29 CFR 1910.1200 [OSHA].

Label Elements: The product does not need to be labelled in accordance with EC directives or respective national laws.

Other hazards: none

COMPOSITION/INFORMATION ON INGREDIENTS

Substances Not applicable.

Mixtures This product does not contain hazardous chemicals at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 0.1% or greater.

First Aid Measures:

Description of first aid measures
General Advice
Consult a doctor and show this safety data sheet.
IF IN EYES:
Flush with copious amounts of water for at least 15 minutes. Consult a doctor.

IF ON SKIN (or hair): Immediately wash skin with copious amounts of soap and water for at least 15 minutes. Remove contaminated clothing and shoes and wash before reuse. Consult a doctor.

IF INHALED:	Remove to fresh air and monitor breathing. If breathing becomes difficult, give oxygen. If breathing stops, give artificial respiration. Consult a doctor.
IF SWALLOWED:	Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Consult a doctor.
Most important symptoms and effects, both acute and delayed:	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.
Indication of immediate medical attention and special treatment needed:	Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

Fire Fighting Measures:

Suitable extinguishing agents:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Hazards from the substance or mixture:	In combustion, may emit toxic fumes.
Special precautions for fire-fighters:	Wear suitable protective clothing to prevent contact with skin and eyes and self-contained breathing apparatus.

Accidental Release Measures:

Person-related safety precautions:	Do not take action without suitable protective clothing - see section 8 of SDS. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid breathing vapors, mist, dust or gas.
Measures for environmental protection:	Keep away from drains.
Measures for containment and cleaning:	Cover spillage with suitable absorbent material. Hold all material for appropriate disposal as described under section 13 of SDS.

Handling and Storage:

Precautions for safe handling:	Avoid inhalation, contact with eyes, skin and clothing. Avoid the formation of dust and aerosols. Use in a well-ventilated area. Keep away from sources of ignition. Avoid prolonged

or repeated exposure.

Conditions for safe storage: Store in cool, well-ventilated area. Keep away from direct sunlight. Keep container tightly sealed until ready for use.

Exposure Controls and Personal Protection:

Control parameters: Contains no substances with occupational exposure limit values

Appropriate engineering controls: Use in a fume hood where applicable. Ensure all engineering measures described under section 7 of SDS are in place. Ensure laboratory is equipped with a safety shower and eye wash station.

Personal Protective Equipment:

Eye / Face Protection

Use appropriate safety glasses.

Skin Protection

Use appropriate chemical resistant gloves (minimum requirement use standard BS EN 374:2003). Gloves should be inspected before use. Wash and dry hands thoroughly after handling.

Body Protection

Wear appropriate protective clothing.

Respiratory Protection

If risk assessment indicates necessary, use a suitable respirator.

Physical and Chemical Properties:

Appearance: Lyophilized white powder or clear liquid **Flammability (Solid, Gas):** Not available

Odor: Little to none **Vapor density:** Not available

Odor threshold: Not available **Vapor pressure:** Not available

pH: Not available **Relative density:** Not available

Melting point/freezing point: Not available **Solubility(ies):** Not available

Boiling point/Boiling range: Not available **Partition Coefficient:** Not available

Flash point: Not available **Auto igniting:** Not available

Evaporation rate: Not available **Decomposition temperature:** Not available

Flammablitiy (solid, gas): Not available **Viscosity:** Not available

Stability and Reactivity:

Reactivity: Stable under recommended transport or storage conditions.

Chemical Stability: Stable under recommended storage conditions.

Possibility of hazardous reactions:	Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.
Conditions to avoid:	Heat, moisture.
Incompatible materials:	Strong acids/alkalis, strong oxidising/reducing agents.
Hazardous decomposition products:	Strong acids/alkalis, strong oxidising/reducing agents.

TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute Toxicity
Classified based on available data
Skin Corrosion / Irritation
Classified based on available data
Serious Eye Damage / Irritation
Classified based on available data
Respiratory or Skin Sensitization
Classified based on available data
Germ Cell Mutagenicity
Classified based on available data
Carcinogenicity
Classified based on available data
Reproductive Toxicity
Classified based on available data
Specific Target Organ Toxicity - Single Exposure
Classified based on available data
Specific Target Organ Toxicity - Repeated Exposure
Classified based on available data
Aspiration Hazard
Classified based on available data

Symptoms / Routes of Exposure	**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. **Ingestion:** There may be irritation of the throat. **Skin:** There may be mild irritation at the site of contact. **Eyes:** There may be irritation and redness. **Delayed / Immediate Effects:**No known symptoms.
Additional Information	Classified based on available data

Ecological Information:

Toxicity:	No data available.
Persistence and degradability:	No data available.
Bioaccumulative potential:	No data available.
Mobility in soil:	No data available.
Other adverse effects:	No data available.

Disposal Considerations:

Waste treatment methods:

Product

Transfer to a suitable container and arrange for collection by specialized disposal company in accordance with national, regional, or local legislation.

Contaminated Packaging

Dispose of in a regulated landfill site or other method for hazardous or toxic wastes in accordance with national, regional, or local legislation.

Note： To the best of our knowledge, the information contained herein is accurate. AAB Biosciences, Inc. shall not be held liable for any damage resulting from handling or contact with the above product. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.